

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An anti-virus program executable by a computer system, comprising:

virus scanning routines operable to scan a file and detect a virus;

virus removal routines operable to remove the detected virus from the file, the virus removal routines comprising a text editor, operable to search and modify a textual portion of the file under control of virus removal instructions; and

the virus removal instructions, which are operable to cause the text editor to remove a virus from the textual portion of the file;

wherein the text editor comprises a search function operable to search the textual portion of the file using a regular expression specifying a pattern of text to be matched;

wherein the text editor comprises a mark function operable to mark text matching the regular expression that was found by the search function;

wherein the text editor comprises a delete function operable to delete text marked by the mark function;

wherein:

the search function is operable to search for a start of text to be marked and the mark function is operable to mark a start marker at the start of text;

the search function is operable to search for an end of text to be marked and the mark function is operable to mark an end marker at the end of text; and

the delete function is operable to delete text between the start marker and the end marker;

wherein the text editor is capable of a case sensitivity action, where the text editor is capable of a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.

2. (Original) The anti-virus program of claim 1, wherein the removed virus is located on one line of text.

3. (Original) The anti-virus program of claim 1, wherein the removed virus is located on a plurality of lines of text.

4. - 8. (Cancelled)

9. (Previously Amended) The anti-virus program of claim 1, wherein the deleted text is located on one line of text.

10. (Previously Amended) The anti-virus program of claim 1, wherein the deleted text is located on a plurality of lines of text.

11. (Cancelled)

12. (Currently Amended) A method for removing a virus from a textual portion of a file infected with a virus, comprising the steps of:

loading the infected file;

wherein a text editor is included comprising a search function operable to search a textual portion of the infected file using a regular expression specifying a pattern of text to be matched;

wherein the text editor comprises a mark function operable to mark text matching the regular expression that was found by the search function;

wherein the text editor comprises a delete function operable to delete text marked by the mark function;

wherein:

the search function is operable to search for a start of text to be marked and the mark function is operable to mark a start marker at the start of text;

the search function is operable to search for an end of text to be marked and the mark function is operable to mark an end marker at the end of text; and

the delete function is operable to delete text between the start marker and the end marker;

wherein the text editor is capable of a case sensitivity action, where the text editor is capable of a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.

13 - 18. (Cancelled)

19. (Currently Amended) A system for removing a virus from a textual portion of a file infected with a virus comprising:

a processor operable to execute computer program instructions;

a memory operable to store computer program instructions executable by the processor; and

computer program instructions stored in the memory and executable to load the infected file;

wherein a text editor is included comprising a search function operable to search a textual portion of the infected file using a regular expression specifying a pattern of text to be matched;

wherein the text editor comprises a mark function operable to mark text matching the regular expression that was found by the search function;

wherein the text editor comprises a delete function operable to delete text marked by the mark function;

wherein:

the search function is operable to search for a start of text to be marked and the mark function is operable to mark a start marker at the start of text;

the search function is operable to search for an end of text to be marked and the mark function is operable to mark an end marker at the end of text; and

the delete function is operable to delete text between the start marker and the end marker;

wherein the text editor is capable of a case sensitivity action, where the text editor is capable of a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.

20. – 25. (Cancelled)

26. (Currently Amended) A computer program product for removing a virus from a textual portion of a file infected with a virus, comprising:

a computer readable medium;

computer program instructions, recorded on the computer readable medium, executable by a processor, for loading the infected file;

wherein a text editor is included comprising a search function operable to search a textual portion of the infected file using a regular expression specifying a pattern of text to be matched;

wherein the text editor comprises a mark function operable to mark text matching the regular expression that was found by the search function;

wherein the text editor comprises a delete function operable to delete text marked by the mark function;

wherein:

the search function is operable to search for a start of text to be marked and the mark function is operable to mark a start marker at the start of text;

the search function is operable to search for an end of text to be marked and the mark function is operable to mark an end marker at the end of text; and

the delete function is operable to delete text between the start marker and the end marker;

wherein the text editor is capable of a case sensitivity action, where the text editor is capable of a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.

27. – 32. (Cancelled)

33. (Currently Amended) The anti-virus program of claim 1, wherein the text editor is capable of actions selected from the group consisting of a load current module and start edit action, a load particular module and start edit action, a match current line or any subsequent line action, a match any subsequent line action, a match current line action, a match next line action, a match last viable line action, a match last consecutive line action, a delete marked positions action, a global pattern match and delete action, a delete a single word processor macro reference action, a delete all word processor macro references action, and a reset cursor position to beginning of the file action, ~~a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.~~

34. (Currently Amended) The anti-virus program of claim 1, wherein the text editor is capable of actions including a load current module and start edit action, a load particular module and start edit action, a match current line or any subsequent line action, a match any subsequent line action, a match current line action, a match next line action, a match last viable line action, a match last consecutive line action, a delete marked positions action, a global pattern match and delete action, a delete a single word processor macro reference action, a delete all word processor macro references action, and a reset cursor position to beginning of the file action, ~~a turn case sensitivity off action, a turn case sensitivity on action, a display current line action, and a save edit action.~~

35. (Cancelled)

36. (Previously Presented) The anti-virus program of claim 1, wherein the regular expression includes both plain text and special characters to indicate a type of matching that is to be performed.

37. (Previously Presented) The anti-virus program of claim 36, wherein the special characters include a branch, a piece, an atom, and a range.

38. (Previously Presented) The anti-virus program of claim 1, wherein current actions of the text editor are dependent on previous actions.

39. (New) The anti-virus program of claim 37, wherein the atom includes a regular expression in parentheses.

40. (New) The anti-virus program of claim 39, wherein the piece includes the atom followed by characters.

41. (New) The anti-virus program of claim 40, wherein the branch includes a plurality of the pieces, concatenated.

42. (New) The anti-virus program of claim 41, wherein the range includes a sequence of characters enclosed in '[]'.